



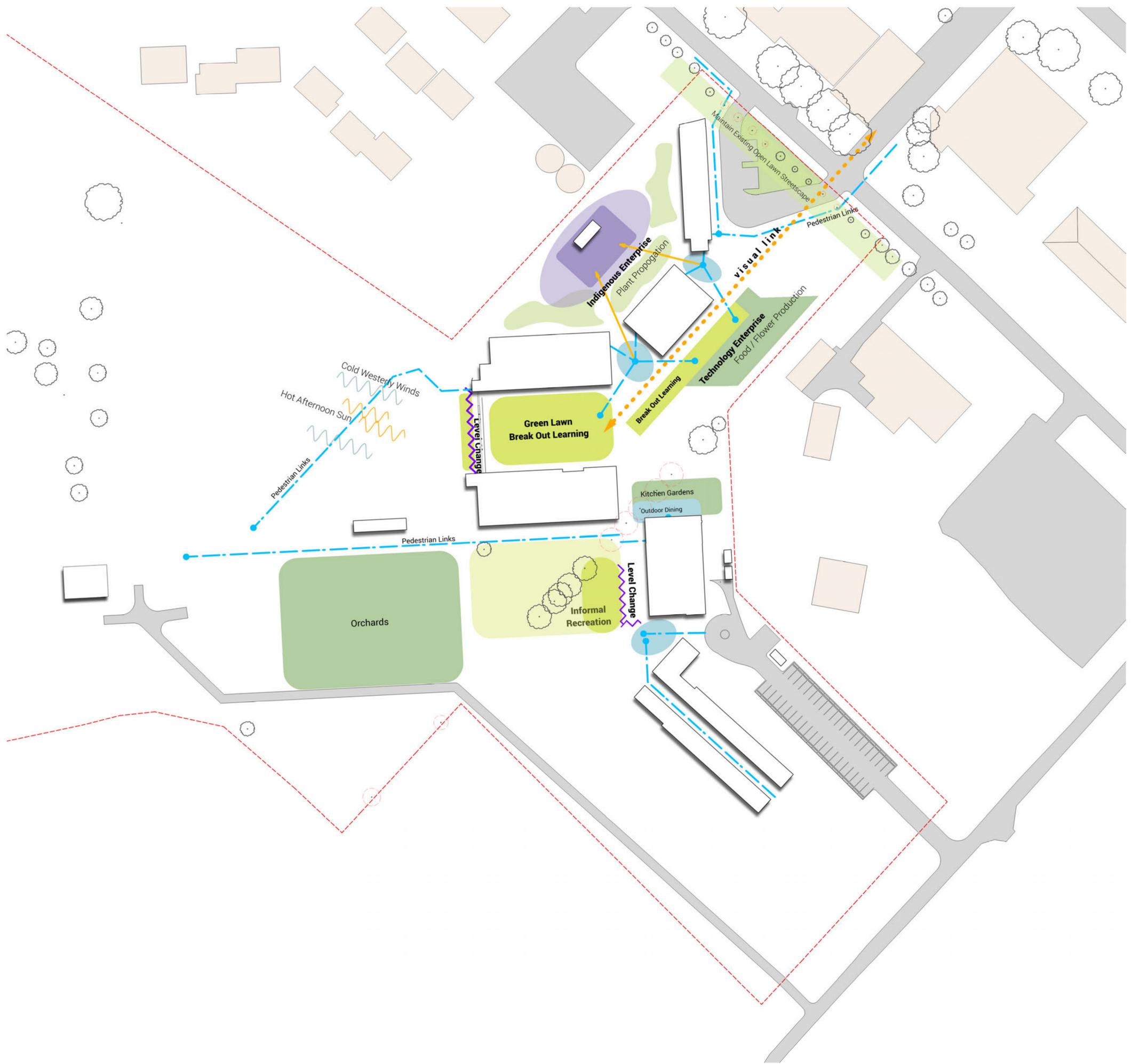
# CENTRE OF EXCELLENCE IN AGRICULTURAL EDUCATION

## LANDSCAPE SSSDA PACKAGE

SSDA ISSUE 06/07/21 REV G

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Issue				
No.	Date	Description	Chkd	
A	24/02/2021	DRAFT CONCEPT	AL	
B	01/04/2021	SCHEMATIC ISSUE	AL	
C	28/04/2021	SSDA ISSUE	AL	
D	28/06/2021	SSDA ISSUE	JK	

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 Department of Education

**Drawing Title**  
 Structure Plan

Date 06/07/2021  
 Scale NTS

Drawing Reference  
 20417-NBRS-L-SK 001

Rev  
 D



Issue			
No.	Date	Description	Chkd
A	19/03/2021	CONCEPT ISSUE	AL
B	01/04/2021	SCHEMATIC ISSUE	AL
C	28/04/2021	SSDA ISSUE	AL
D	28/06/2021	SSDA ISSUE	JK

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**Drawing Title**  
 Context Plan

Date 06/07/2021  
 Scale 1:1000 @ A1 1:2000 @ A3  
 0 10 20 30 40 50 60m

Drawing Reference 20417-NBR-S-L-SK 002 Rev D

INDIGENOUS ENTERPRISE



Weaving paths and planted beds with native species and indigenous foods.



The Yam Daisy to be propagated.



Informal paths



Native pastures for grain harvests.



Indicative character

TECHNOLOGY ENTERPRISE



Flowering crops



Agricultural influenced design.



Vineyards



Pergola structure integrated into trellis system.



'Cut Flower Gardens'



Promenade hardscape



Kitchens Gardens with small Orchard.

LEARNING SPACES



Village green with covered walkways and shade provided by trees.



Outdoor spaces integrated with school curriculum.



Outdoor informal learning rooms.



Cafeteria breakout learning space.

MATERIALITY



Combination of paving materials along promenade.



Tree detail in hardscape.



Seamless transition from inside blocks to external surfaces.



Educational paving features.



Porous paving around tree pits.



Earthy coloured gravels and decomposed granite.

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Drawing Title  
Landscape Design and Character

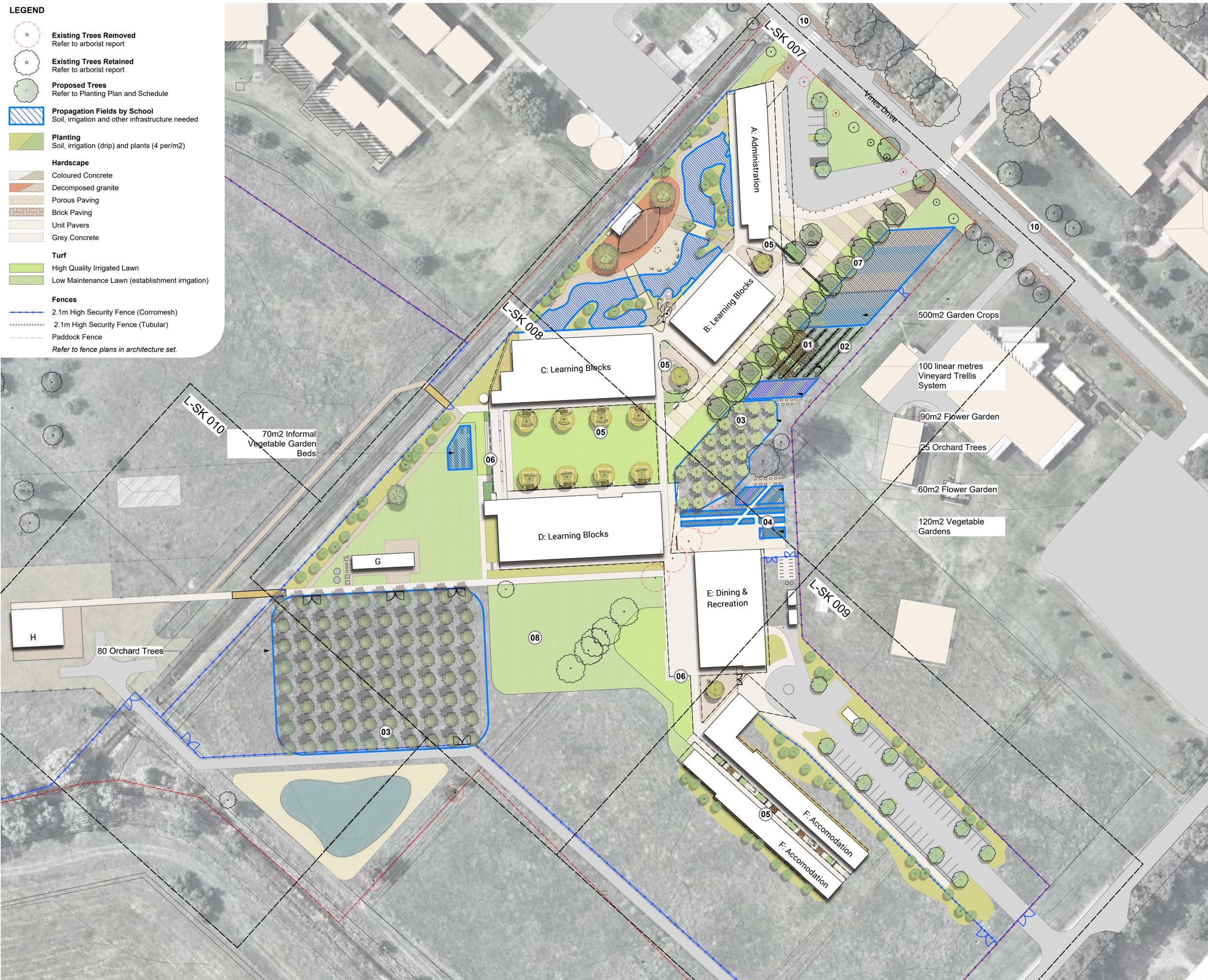
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Scale 1:500 @ A1 1:1000 @ A3  
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Drawing Reference  
20417-NBRS-L-SK 004

Rev  
B

**LEGEND**

-  Existing Trees Removed  
Refer to arborist report
-  Existing Trees Retained  
Refer to arborist report
-  Proposed Trees  
Refer to Planting Plan and Schedule
-  Propagation Fields by School  
Soil, irrigation and other infrastructure needed
-  Planting  
Soil, irrigation (drip) and plants (4 per/m2)
- Hardscape**
-  Coloured Concrete
-  Decomposed granite
-  Porous Paving
-  Brick Paving
-  Unit Pavers
-  Grey Concrete
- Turf**
-  High Quality Irrigated Lawn
-  Low Maintenance Lawn (establishment irrigation)
- Fences**
-  2.1m High Security Fence (Corromesh)
-  2.1m High Security Fence (Tubular)
-  Paddock Fence  
Refer to fence plans in architecture set.



**LANDSCAPE ELEMENTS**

- 01: Pergola - Timber structure with cables to allow grape vine to grow over. Australian hardwood.
- 02: Vineyard Trellis - Timber posts and cabling. Irrigation infrastructure required.
- 03: Orchard - Provide soil, ground preparation and water supply points. Tree specimens installed by school.
- 04: Kitchen Gardens - Raised garden beds constructed from Australian Hardwood (400 High). Water supply points, mulch, soil, compost bins and trellis structures required.
- 05: Outdoor Seating Elements - Bespoke / proprietary outdoor seating furniture. Concrete and mod wood materials to be used.
- 06: Seating Steps - Concrete seating steps (600W x 300H).
- 07: Plaques / Educational Installation - Allow costing to supply / install elements inset into pavement TBC by school.
- 08: Kick About Lawn - Allow costing to grade / level landform and provide drainage to prevent water from pooling.
- 09: Bike Racks - 24 secure bike parking locations undercover. Hooped stainless steel bike racks.
- 10: External Foot Paths - External foot paths extent to be confirmed

**NOTE:**  
This drawing illustrates works to be tendered on. Highlighted/noted areas to be realised as apart of schools curriculum.

No.	Date	Description	Chkd
A	24/02/2021	DRAFT CONCEPT	AL
B	01/04/2021	SCHEMATIC ISSUE	AL
C	28/04/2021	SSDA ISSUE	AL
D	28/06/2021	SSDA ISSUE	JK

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Drawing Title  
Overall Tender Plan

Date 06/07/2021  
Scale 1:500 @ A1 1:1000 @ A3  
0 5 10 15 20 25 30m

Drawing Reference 20417-NBRS-L-SK 005 Rev D

LANDSCAPE LEGEND AND SCHEDULE

CODE	DESCRIPTION	DIMENSION	SUPPLIER
<b>FURNITURE AND FIXTURES</b>			
WS01	Custom Curved Concrete Bench	500mmH x 450W	-
WS02	Custom Concrete Stool	500mmH x 450D	-
WS03	Outdoor Table Setting	Proprietary Item	Street Furniture Australia
WS04	Bench Seat with Back	Proprietary Item	Street Furniture Australia
BR01	Hooped Bike Rack	Proprietary Item	Cora (CBR2B)
BL	Stainless Steel Bollard	Proprietary Item	-
HT	Hose Taps	Proprietary Item	-
<b>STRUCTURES</b>			
TB01	Timber Truss Bridge	2000W x 15m & 8m	Landmark
TP01	Custom Timber Pergola	7500W x 14000L	-
TS01	Trellis system (timber posts and wire)	-	-
GB01	Raised hardwood timber Garden Beds	400D	-
RWT01	Rain Water Tank - Slim Line - Colour Bond	1700 x 800 x 2200H	-
RWT02	Rain Water Tank - Round Tank Colour Bond	2700D x 2400H	-
<b>FENCES</b>			
++++ MC01	Security Tubular	2100H	-
—●— MC02	Security Corromesh	2100H	-
—●— FN01	Wire Farm Fence	1500H	-
<b>GATES</b>			
GT01	Sliding Gate	4800W x 2100H	-
GT02	Double Leaf Swing	5000W x 2100H	-
GT03	Pedestrian Single Leaf	3000W x 1600H	-
<b>PAVING</b>			
■ PV01	Grey Concrete	-	-
■ PV02A	Coloured Concrete (Walnut by CCS)	-	Concrete Colour Solutions
■ PV02B	Coloured Concrete (Golden Bronze by CCS)	-	Concrete Colour Solutions
■ PV03	Brick Paving Staggered	-	-
■ PV04	Porous Pavers (ECOTRIHEX - Oatmeal)	188L x 92D x 60H	Adbri Masonary
■ PV05A	Decomposed Granite (Gold)	-	ANL
■ PV05B	Decomposed Granite (Red / Brown)	-	ANL
■ PV06	Unit Pavers	TBC	TBC
<b>HARDSCAPE</b>			
ST01	Concrete stairs (Including Handrails, nosing and Tactiles)	2000W	-
SS01	Concrete Seating Steps	600W x 300D	-
<b>SOFTSCAPE</b>			
MP01	Garden Mix	5 plants/m2	-
MP02	Native Mix	4 plants/m2	-
MP03	Endemic Mix	5 plants/m2	-
MP04	Rain Garden Mix	4 plants/m2	-
TF01	Drought Tolerant Turf (Tiftuf)	1 roll/m2	Lawn Solutions
TF02	Amenity Turf (Sir Walter Buffalo Grass)	1 roll/m2	Lawn Solutions



WS04: Proprietary Seat - Street Furniture Australia 'Plaza Seat'



MP02: Native mass planting.



TP01: Indicative custom timber pergola structure integrated with vineyard trellis system.



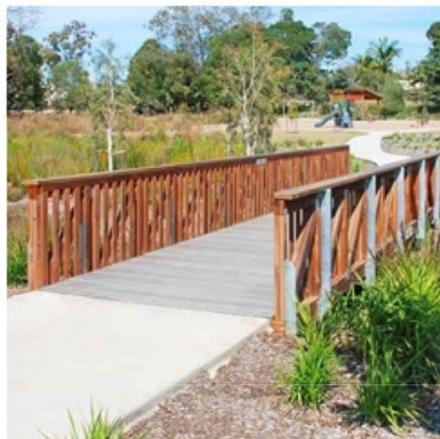
WS01: Curved insitu concrete bench



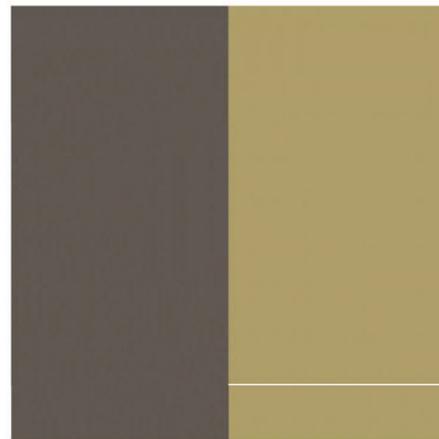
PV03: Staggered brick paving (recycled units)



PV04: Pourous paving in tri hex shape.



TB01: Fabricated Timber Bridge from Landmark or similar.



PV02A/B: Coloured Concrete - L: Chestnut and R: Golden Bronze



PV05A/B: Decomposed Granite - L: Gold and R: Red/Brown

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C	28/04/2021	SSDA ISSUE	AL

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Vine Dr, Richmond NSW 2753  
for  
Department of Education

Drawing Title  
Structure Plan

Date 28/04/2021

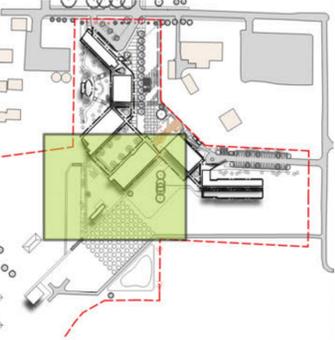
Scale NTS

Drawing Reference  
20417-NBRS-L-SK 006

Rev  
C



KEY PLAN



Issue			
No.	Date	Description	Chkd
A	01/04/2021	SCHEMATIC ISSUE	AL
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Drawing Title  
Arrangement Plan 02

Date 06/07/2021  
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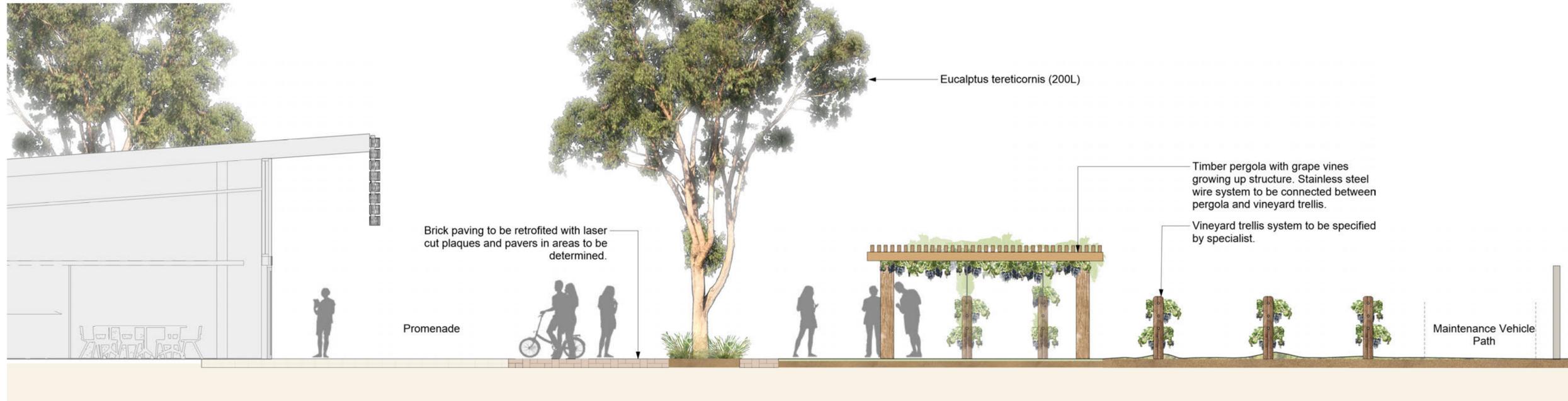
Drawing Reference  
20417-NBRS-L-SK 008

Rev  
C

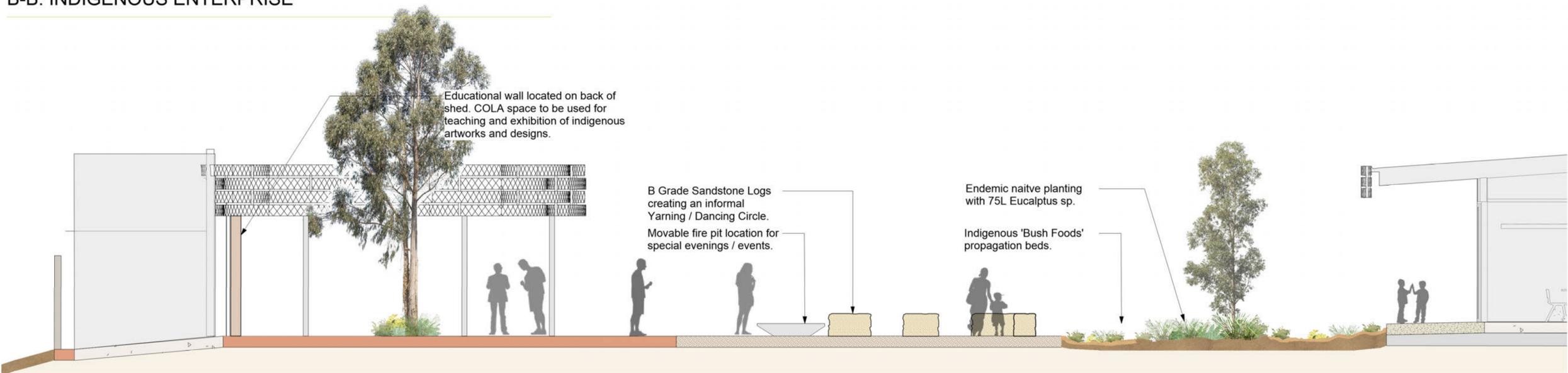




A-A: TECHNOLOGY ENTERPRISE



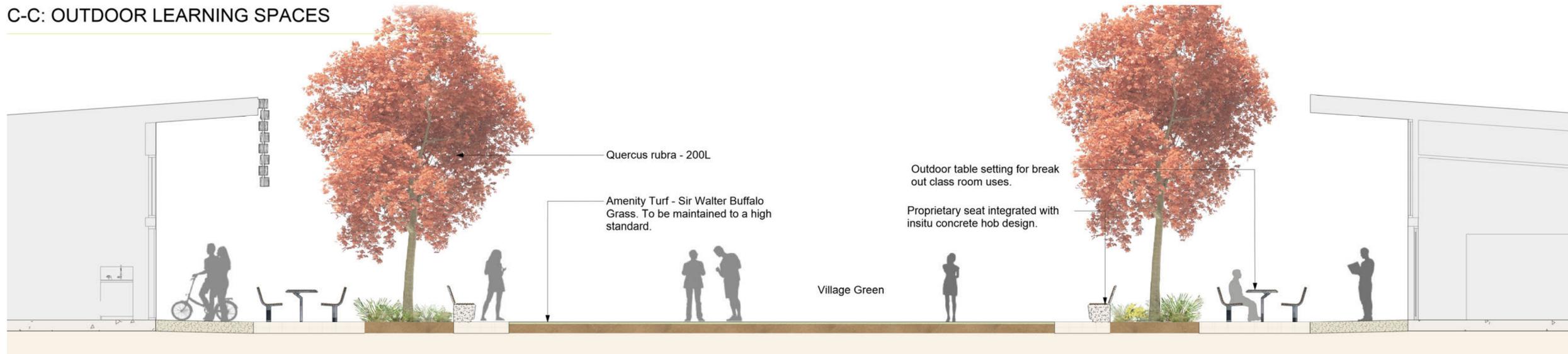
B-B: INDIGENOUS ENTERPRISE



Issue				
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C-C: OUTDOOR LEARNING SPACES



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**Drawing Title**  
Landscape Sections

Date 28/04/2021  
Scale Refer to Drawing

Drawing Reference  
20417-NBRS-L-SK 011

Rev  
B

PLANT SCHEDULE

PLANTING PLAN

TREES

-  Eucalyptus tereticornis-200LT 17
-  Eucalyptus moluccana-200LT 3
-  Quercus rubra-200LT 8
-  Pistacia chinensis-100L 3
-  Melaleuca stypheloides-100L 14
-  Eucalyptus spp.-75L 75
-  Orchard spp.-Installed by School 105

PLANTING

-  **Native Planting 1800m2 (4 /M2)**
  - Hardenbergia violacea-150mm
  - Lomandra 'Tanika'-150mm
  - Poa labillardieri 'Esferdale'-150mm
  - Pennisetum alopecuroides-150mm
  - Themeda australis-150mm
-  **Endemic Indigenous Planting 500m2 (6 /M2)**
  - Acacia falcata-5L
  - Microlaena stipoides-150mm
  - Lomandra multiflora-150mm
  - Themeda australis-150mm
-  **Garden Planting 230m2 (5 /M2)**
  - Dianella revoluta-150mm
  - Lomandra 'Tanika'-150mm
  - Pennisetum setaceum 'Rubrum'-150mm
  - Philodendron 'Xanadu'-200mm
  - Trachelospermum jasminoides-150mm
  - Xanthorrhoea arborea-25lt
-  **Rain Gardens (Bio-retention) 140m2 (5 /M2)**
  - Carex appressa-150mm
  - Ficinia nodosa-150mm
  - Juncus usitatus-150mm
  - Lomandra longifolia-150mm



Eucalyptus tereticornis



Quercus rubra



Eucalyptus moluccana



Acacia falcata



Melaleuca stypheloides



Poa labillardieri 'Esferdale'



Philodendron 'Xanadu'



Microlaena stipoides



Themeda australis

**Proposed Tree Canopy:**

**120 Proposed Trees** (Canopy 7m Diameter at Maturity - roughly 35m2 per tree)  
**4,200m2 Canopy Coverage**

**105 Orchard Trees** (Canopy 4m Diameter at Maturity - roughly 12m2 per tree)  
**1,260m2 Canopy Coverage**

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Drawing Title  
Planting Plan and Schedule

Date 06/07/2021  
Scale 1:500 @ A1 1:1000 @ A3  
0 5 10 15 20 25 30m

Drawing Reference 20417-NBRS-L-SK 012 Rev D